

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: William Vainchenker et al.  
Title: IDENTIFICATION OF A JAK2 MUTATION INVOLVED IN  
VAQUEZ POLYGLOBULIA  
Application No.: 10/580,458  
International Filing Date: 10/26/2005  
371(c) Date: 05/24/2006  
Examiner: Sheridan Swope  
Art Unit: 1652  
Confirmation No.: 1466

**AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated October 2, 2008, concerning the above-referenced patent application.

Applicant has enclosed with this amendment a Petition for Extension of Time to make this response timely.

**Amendments to the Specification** begin on page 2 of this document.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this document.

**Remarks/Arguments** begin on page 9 of this document.

Please amend the application as follows: